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Substitute for form 1449

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Attorney Docket Number		71635	
First Named Inventor		Jernigan et al.	
COMPLETE IF KNOWN			
Application Number		10/665,664	
Filing Date		September 18, 2003	
Group Art Unit		1711	
Sheet	1	of	1
Examiner Name			

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code* (if known)		
28		6,461,575		Duh et al	10/08/2002

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code* (if known)			
28		EP	0974438	A1	Teijin Limited	01/26/2000	
29		WO	97/05186		Eastman Chemical Company	02/13/1997	

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author(in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>

Examiner Signature	<i>Dina Jernigan</i>	Date Considered	6-13-05
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Sheet

1

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		Number	Kind Code <sup>2</sup> (if known)		

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Examiner Signature	<i>Mina Lerner</i>	Date Considered	6-13-05
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1

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4

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		Number	Kind Code* (if known)		
JO		3,014,011		Zoetbrood	12/19/1961
		3,749,539		Galbreath et al	07/31/1973
		3,753,637		Gasior et al	08/21/1973
		4,123,207		Dudley	10/31/1978
		4,251,198		Altenburg	02/17/1981
		4,289,874		Bockrath	09/15/1981
		4,300,877		Andersen	11/17/1981
		4,470,791		Tanaka et al	09/11/1984
		4,500,271		Smith	02/19/1985
		4,554,303		Petke et al	11/19/1985
		4,591,629		El-Ghatta et al	05/27/1986
		4,728,275		DiLullo et al	03/01/1988
		4,728,276		Pauley et al	03/01/1988
		4,822,546		Lohkamp	04/18/1989
		5,241,046		Shiraki et al	08/31/1993
		5,059,103		Bruckmann et al	10/22/1991
		5,290,913		McAllister et al	03/01/1994
		5,334,669		Ghisolfi	08/02/1994
		5,393,871		Yau et al	02/28/1995
		5,444,144		Tanaka et al	08/22/1995
		5,532,335		Kimball et al	07/02/1996
		5,573,820		Harazoe et al	11/12/1996

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*James Jernigan*

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		Application Number	10/665,664
		Filing Date	September 18, 2003
		Group Art Unit	1711
Sheet	4	Examiner Name	

21		5,597,586	Wilson et al	01/28/1997
		5,599,562	Harris et al	02/04/1997
		5,611,983	Ma et al	03/18/1997
		5,628,947	Keilert	05/13/1997
		5,663,290	Heise et al	09/02/1997
		5,744,578	Duh	04/28/1998
		6,066,713	Mrose et al	05/23/2000
		6,068,910	Flynn et al	05/30/2000
		6,099,778	Nelson et al	08/08/2000
		6,107,445	Paschke et al	08/22/2000
		6,129,961	Sonoda et al	10/10/2000
		6,159,406	Shelby et al	12/12/2000
		6,160,085	Fujimori et al	12/12/2000
		6,274,656	Ma et al	08/14/2001
		6,332,765	Spelleken	12/25/2001
		6,61,575	Duh et al	10/08/2002
		6,474,969	Ready et al	11/05/2002
		6,500,915	Fujimori et al	12/31/2002
		6,551,087	Martin	04/22/2003
		6,551,699	Flynn	04/22/2003
22		6,592,350	Chszaniecki	07/15/2003

Examiner Signature	<i>Anna Jernigan</i>	Date Considered	6-13-05
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Group Art Unit 1711

Sheet

3

of

4

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
JJ		EP	0988342	A1	Shell Internationale Research Maatschappij B. V.	03/29/2000	
		EP	1181140	A1	Eastman Chemical Company	02/27/2002	
		EP	0804499	B1	E.I. DuPont De Nemours and Company	07/17/2002	
		EP	0821640	B1	Shell Oil Company	06/14/2000	
		EP	0937117	B1	M&G Polimeri Italia Spa	01/08/2003	
		JP	5925815	A	Teijim Co., Ltd.	02/09/1984	✓
		WO	92/18554		Eastman Kodak Company	10/29/1992	
		WO	96/22320		E.I. DuPont De Nemours and Company	07/25/1996	
		WO	96/33853		Shell Oil Company	10/31/1996	
		WO	97/31968		Eastman Chemical Company	09/04/1997	
		WO	97/42250		Amoco Corporation	11/13/1997	
		WO	99/47605		Eastman Chemical Company	09/23/1999	
		WO	00/46004		Buhler AG	08/10/2000	
		WO	00/64961		Eastman Chemical Company	11/02/2000	
		WO	01/10622	A1	General Electric Company	02/15/2001	
		WO	03/046046	J A1	Shell Internationale Research Maatschappij B. V.	06/05/2003	
		CS	200745	B	Blazek, et al (ABS)	06/14/1978	
		DE	2347013	A	K Fischer App Rohrleitun (ABS)	03/27/1975	
		DE	3503330	A	Herberts GMBH (ABS)	08/07/1986	
		JP	1180309	A	Toray Ind. Inc. (ABS)	07/18/1989	
JJ		JP	56055426	A	Mitsubishi Chem Ind. Ltd. (ABS)	05/16/1981	

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*Ma Jernigan*

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		Application Number	10/665,664
		Filing Date	September 18, 2003
		Group Art Unit	1711
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Sheet	4	of	4

JP	56118420	A	Teijin Ltd (ABS)	09/17/1981
JP	56147823	A	Kuraray Co. Ltd (ABS)	11/17/1981
JP	59045106	A	Teijin Ltd (ABS)	03/13/1984
JP	59219328	A	Toyobo KK (ABS)	12/10/1984
JP	60026026	A	Toyobo KK (ABS)	02/08/1985
JP	2000044666	A	Teijin Ltd (ABS)	02/15/2000
JP	2001072754	A	Toyobo KK (ABS)	03/21/2001
JP	2001079836	A	Toyobo KK (ABS)	03/27/2001
JP	2001081171	A	Toyobo KK (ABS)	03/27/2001
JP	2001081174	A	Toyobo KK (ABS)	03/27/2001
WO	200023497	A1	Rieter Automatik GMBH (ABS)	04/27/2000
WO	200105566	A1	Rieter Automatik GMBH (ABS)	01/25/2001

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
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JP		Pending US Patent application Serial Number 10/683,522 filed October 10, 2003	

Examiner Signature	<i>Mr Jernigan</i>	Date Considered	6-13-05
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